

2. Product Specification

2.1. Product Feature

■ Features

Block	Specification	Major IC	Remark
RF	NTSC/HALF - NIM TUNER		
PDP Module	SDI DH MODULE	43" HD 51" HD	New Module
Power	SAMSUNG ELECTRO MECHANICS SMPS DOYANG SMPS		
Video	SEMS13 (Saturn4)	MSD 2248	
Sound	SRS TruSurround HD, Dolby Digital	TAS 5715	Optical Output
Cabinet	D450 Design		

■ Specification

Model	PN43D450	PN51D450
Dimensions (W x H x D)	39.8 x 27.5 x 12 inches - with stand 39.8 x 24.5 x 2.2 inches - without stand	46.7 x 30.8 x 12 inches - with stand 46.7 x 27.8 x 2.2 inches - without stand
Weight	41.8 lbs - with stand 35.2 lbs - without stand	56.2 lbs - with stand 49.6 lbs - without stand
Panel Resolution	1024 x 768	1365 x 768
Screen Size	43 Inches (16:9)	51 Inches (16:9)
Power Consumption	43 HD : 230W ±10% and Less	51 HD : 290W ±10% and Less
Antenna Input	ANT - AIR / CABLE IN 75Ω unbalanced	
Video Input	AV COMPONENT1 - 480i / 480p / 720p / 1080i / 1080p COMPONENT2 - 480i / 480p / 720p / 1080i / 1080p HDMI1 (DVI Compatible) – 480p / 720p / 1080i / 1080p HDMI2 (DVI Compatible) – 480p / 720p / 1080i / 1080p 480i can be displayed on HDMI, however it is not contained in EDID data.	
Audio Input	AV COMPONENT 1 - 480i / 480p / 720p / 1080i / 1080p COMPONENT 2 - 480i / 480p / 720p / 1080i / 1080p DVI	
Speaker Output	10W + 10W (40dB + 40dB)	

2.2. Specifications Analysis

Model		PN43D450	PN51D450	PN42C450
Design				
Basic	Display Type	PDP TV	PDP TV	PDP TV
	Built-In Tuner	O	O	O
	Resolution	1024 x 768	1365 x 768	1024 x 768
	PDP Module	DH	DH	DH
	Screen Size	43 inches	51 inches	42 inches
	Picture ratio	16 : 9	16 : 9	16 : 9
Picture	Brightness	1,500 Cd/m2	1,500 Cd/m2	1,500 Cd/m2
	Contrast Ratio	10,000 : 1	10,000 : 1	10,000 : 1
	Picture Enhacer	DNiE	DNiE	DNiE
Audio	Equalizer	5 Band	5 Band	5 Band
	Auto Volume Control	O	O	O
	Surround Sound	SRS TruSurround HD	SRS TruSurround HD	SRS TruSurround HD
	Speaker Output	10W + 10W	10W + 10W	10W + 10W
Features	PIP	O	O	O
	Double Screen	X	X	X
	Caption	O	O	O
	Still Image	X	X	X
	EPG	O	O	O
	My color Control	X	X	X
	Energy Saving	O	O	O
	Screen Burn Protection	O	O	O
	Anynet	O	O	O
Connections	Antenna	1 (Cable/Air)	1 (Cable/Air)	1 (Cable/Air)
	AV Input	1 Input	1 Input	1 Input
	S-Video	X	X	X
	Component (US)	1 Input	1 Input	1 Input
	DVI	X	X	X
	HDMI	2 Input	2 Input	4 Input
	USB	1	1	1
	Sub Woofer	X	X	X
	Optical	1	1	1
Etc.	Speaker/Stand	Built-in Speaker	Built-in Speaker	Built-in Speaker

**TIP**

O : Supported, X : Not Supported

**NOTE**

For the power supply and power consumption, refer to the label attached to the product.

2.3. Detail Factory Option

※ If you replace the main board with new one, please change the factory option as well.

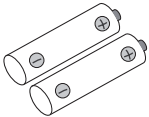
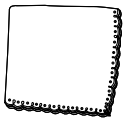
The options you must change are “Type”.

■ PD450

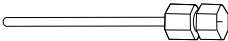
Model Name			PN43D450A2D	PN51D450A2D
Panel		Vendor	SDI	SDI
		Code	BN96-16470A	BN96-16471A
SMPS		Code	BN44-00442A	BN44-00443A
Byte	Item	Chassis Ass'y	BN97-05315A	BN97-05315B
0	Factory Reset	PBA Ass'y code	BN94-04523A	BN94-04523B
1	Type		43DHHcD	51DHHcD
2	Model		PD450	PD450
3	TUNER		Xygang	Xygang
4	Audio Amp		TAS5715	TAS5715
5	Front Color		P-S-C-BK	P-S-C-BK
6	Local Set		-	-
7	Exhibition Mode		Off	Off

2.4. Accessories

2.4.1. Supplied Accessories

Accessories	Item	Item code	Remark
	Remote Control	AA59-00506A	Samsung Service Center
	Batteries	4301-000121	
	Power Cord	3903-000467	
	Owner's Instructions	BN68-03325A	
	Cloth-Clean	BN63-02368B	
	Ferrite Core (2EA)	3301-002049	

2.4.2. Sold Separately

Accessories	Item	Item code	Remark
	HDMI	-	Samsung Service Center
	HDMI-DVI	-	
	Component	-	
	Composite (AV)	-	
	Coaxial (RF)	-	